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(71) Applicant (for all designated States except US): **SILVERBROOK RESEARCH PTY LTD** [AU/AU]; 393 Darling Street, Balmain, New South Wales 2041 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SILVERBROOK, Kia** [AU/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU).

(74) Agent: **SILVERBROOK, Kia**; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU).

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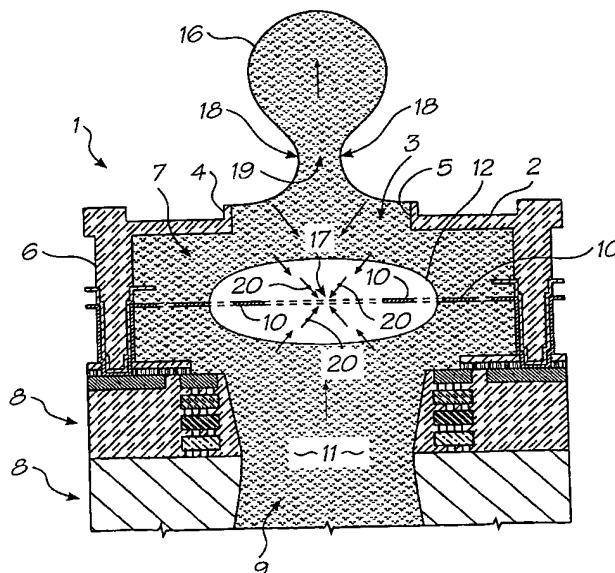
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(54) Title: THERMAL INK JET PRINthead WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS



(57) Abstract: There is disclosed an ink jet printhead which comprises a plurality of nozzles (3) and one or more heater elements (10) corresponding to each nozzle. Each heater element is configured to heat a bubble forming liquid in the printhead to a temperature above its boiling point to form a gas bubble (12) therein. The generation of the bubble causes the ejection of a drop (16) of an ejectable liquid (such as ink) through the respective corresponding nozzle, to effect printing. Each heater element is formed of solid material, more than 90% of which, by atomic proportion, is constituted by at least one element, from the periodic table of elements, having an atomic number below 50.

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